

CERAMIC SMD CRYSTAL

ABM3B

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5.0 X 3.2 X 1.1mm



RoHS
Compliant



FEATURES:

- Available for fundamental mode and 3rd overtone mode (up to 125MHz)
- Suitable for RoHS reflow
- Available for tight stability
- Seam sealed package assures high reliability

APPLICATIONS:

- Cellular telephones, Pagers.
- Communication and Test equipment.
- High Density applications.
- PCMCIA and wireless applications.

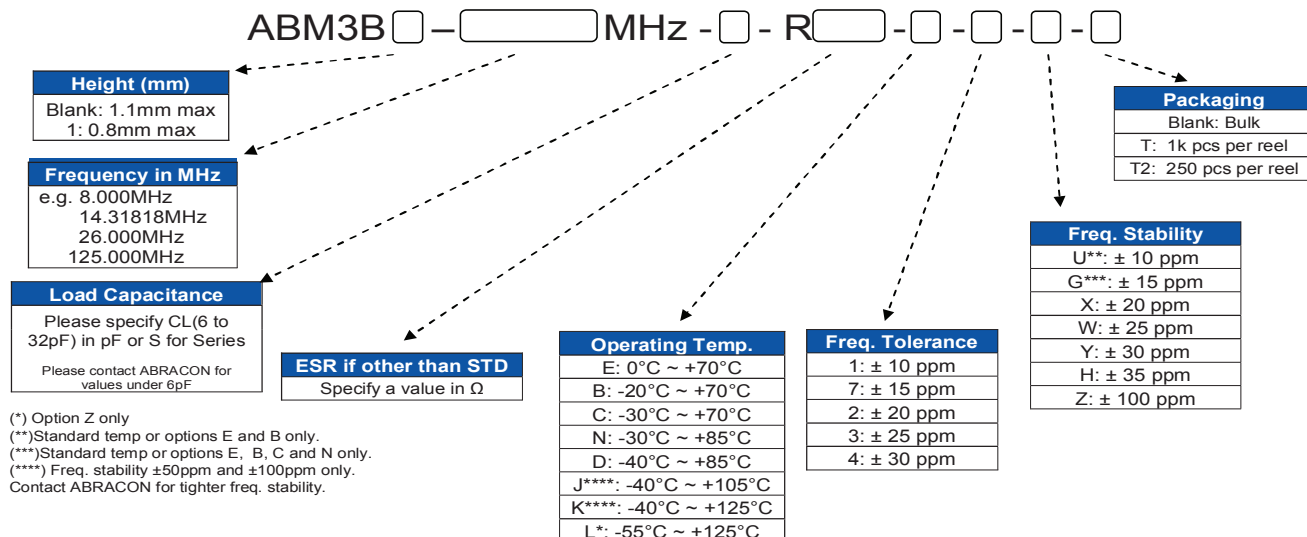
STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N	ABM3B Series
Frequency Range	8.0 MHz - 50.0 MHz (Fundamental) 50.1 MHz - 125 MHz (3rd overtone)
Operation Mode	Fundamental or 3rd overtone
Operating Temperature	-10°C to +60°C (see options)
Storage Temperature	-40°C to +85°C
Frequency Tolerance @ +25°C	± 50 ppm max. (see options)
Frequency Stability over the Operating Temperature (Ref to + 25°C)	± 50 ppm max. (see options)
Equivalent Series Resistance	See table 1
Shunt Capacitance C0	7 pF max.
Load Capacitance CL	18 pF (see options)
Drive Level	100 µW max., 10 µW typical
Aging (First Year) @ 25°C ± 3°C	± 5ppm max.
Insulation Resistance	500 MΩ min at 100Vdc ± 15 V

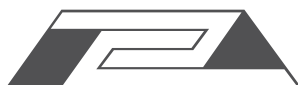
TABLE 1- Standard ESR

Frequency (MHz)	ESR(Ω) max	Frequency (MHz)	ESR(Ω) max
8.000 - 9.999 (Fund.)	200	16.000 - 50.000 (Fund.)	50
10.000 - 11.999 (Fund.)	100	50.001 - 80.000 (3rd OT)	60
12.000 - 15.999 (Fund.)	70	80.001 - 125.000 (3rd OT)	80

OPTIONS AND PART IDENTIFICATION: (Left blank if standard)



ABRACON IS
ISO9001:2008
CERTIFIED



ABRACON
CORPORATION

Visit www.abracon.com for Terms & Conditions of Sale Revised: 03.09.11
30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

